On page 3, line 15 below, please replace "BEST VERSION FOR REALIZATION OF THE INVENTION" with --DETAILED DESCRIPTION OF CERTAIN EMBODIMENTS OF THE INVENTION.--

Please delete page 7.

On page 8, please replace "CLAIMS" with --WHAT IS CLAIMED IS:--

IN THE CLAIMS:

Please cancel Claims 2-14 without prejudice.

Please add new Claims 15-29 as follows:

15. A cathodoluminescent mosaic screen on a light-transparent substrate, comprising light-emitting, light-guiding, dielectric, and electroconductive light-absorbing components, the light-emitting components being implemented as columnar crystals, wherein each column is surrounded by a gap coaxial to the column, the gaps are filled by an electroconductive non-light-emitting medium.

16. The screen according to Claim 15, wherein outer butt-ends of the columns are coated by a light-emitting luminescent layer whose thickness is smaller than a height of the columns for at least an order of magnitude.

17. The screen according to Claim 16, wherein the luminescent layer is epitaxial in respect to the columns.

18. A method for preparation of luminescent screens consisting of single-crystalline columns on substrates by vapor deposition of luminescent material wherein an intermediate substance forming a liquid phase at the crystallization temperature, other than the luminescent material, is first deposited on the substrate and, then, the luminescent material is deposited on such a substrate.

19. The method according to Claim 18, wherein a thickness of the intermediate substance is more than 10 nanometers and smaller than 1 micrometer.

20. The method according to Claim 18, wherein the liquid phase is formed at a contact interaction of the intermediate substance with the substrate.

21. The method according to Claim 18, wherein the intermediate substance is formed by more than one chemical elements.

22. The method according to Claim 19, wherein the intermediate substance is formed by more than one chemical elements.

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